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# Artificial Intelligence

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## AI

IKA 9/22 Vito Skolan 09.02.2024 This presentation was made using [markdown](#) code and [Marp](#).

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### What is AI?

- AI(=Artificial Intelligence).
    - It refers to computer systems that perform tasks requiring human intelligence.
  - AI can be used to
    - automate tasks,
    - analyze data,
    - make decisions.
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### But what does artificial intelligence really mean? pt.2

**John McCarthy's definition 2004 :**

- It is the science and engineering of making intelligent machines, especially intelligent computer programs.
  - It is related to the similar task of using computers to understand human intelligence, but AI does not have to confine itself to methods that are biologically observable.
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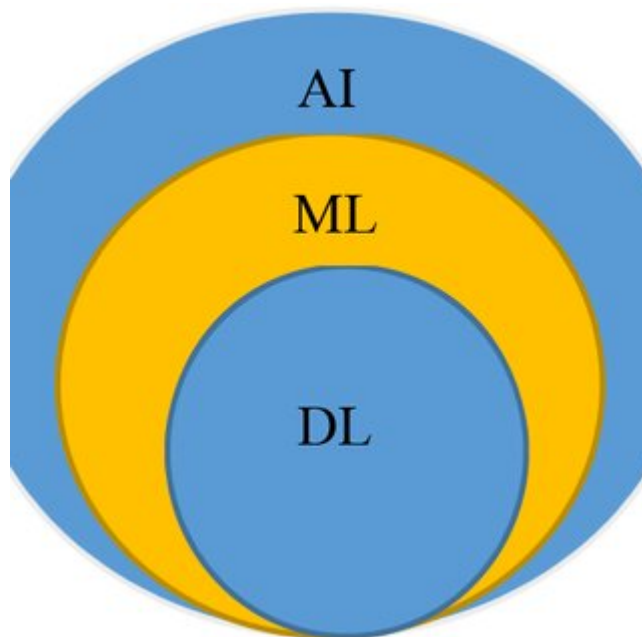
### Misconceptions about AI

- when most people use the term AI today, they're often referring to machine learning.
  - Machine Learning:
    - enables machines to perform tasks *previously exclusive* to humans:
    - recognizing speech

- identifying images
  - understanding natural language
  - making decisions
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## What is Machine Learning?

- ML= Machine Learning.
  - It is a subset of AI that enables machines to learn from data and improve over time.



## Types of AI

- **Realized AI**
  - **Theoretical AI**
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## Types of AI

- **Realized AI**
    - **Narrow AI:**
      - Specific tasks, needs training from Human input.
    - **Reactive AI:**
      - Analyzes data for intelligent output.
    - **Limited Memory AI:**
      - Recalls past events,
      - improves over time (e.g., ChatGPT).
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## Types of AI

### Theoretical AI

- **Artificial General Intelligence:**
    - Learns without human training. [AGI](#)
  - **Super AI:**
    - Hypothetical, beyond human abilities. [Super AI](#)
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## History of AI

- 1952: Arthur Samuel writes the first computer learning application.
  - 1956: The Word "Artificial intelligence" got coined by John McCarthy.
  - 1969: "Shakey" was the first General purpose mobile robot built
  - 1997: Supercomputer "Deep Blue" was designed by IBM. it defeated the word chess champion in a game.
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## History of AI

- 2002: First commercially successful robotic vacuum cleaner created (Roomba).
  - 2019: OpenAI releases the GPT-2 language model.
  - 2020: Waymo launches Waymo One, a fully autonomous taxi service in the Phoenix area, marking a significant milestone in self driving car technology.
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## History of AI

- 2022: Open AI debuts ChatGPT, an AI chatbot build on GPT 3.5
  - 2023: The leaked LLaMA AI Language model
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## AI in the Future

### AI is expected to...

- have a significant impact on the future of work, healthcare, and transportation.
  - create new jobs and industries, but it may also lead to job displacement and economic inequality.
  - continue to improve and become more integrated into our daily lives.
  - raise ethical and social issues that will need to be addressed.
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## References

- [Wikipedia](#)
  - [IBM](#)
  - [OpenAI](#)
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thank you for your attention! 🙏